



SEQUENCE LISTING

<110> Moore, Jeffrey G.

<120> Compositions and Methods for Protecting Tissues and Cells from Damage, and For Repairing Damaged Tissues

<130> 108236.130

<140> 10/083,936

<141> 2002-02-27

<150> US 60/271,666; US 60/302,716

<151> 2001-02-27; 2001-07-03

<160> 10

<170> PatentIn Ver. 2.1

<210> 1

<211> 939

<212> DNA

<213> Dolichos lablab

<400> 1

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aaccctgtga gttctagtgc gggaagagtg ttatatcttg caccattgctg cctttgggaa 180
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<210> 2

<211> 264

<212> PRT

<213> Dolichos lablab

<400> 2

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Val Thr Lys Leu Asp Ser Ala Gly Asn Pro Val Ser Ser Ser Ala Gly
      35                      40          45

Arg Val Leu Tyr Ser Ala Pro Leu Arg Leu Trp Glu Asp Ser Ala Val
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Leu Thr Ser Phe Asp Thr Ile Ile Asn Phe Glu Ile Ser Thr Pro Tyr
 65 70 75 80
 Thr Ser Arg Ile Ala Asp Gly Leu Ala Phe Phe Ile Ala Pro Pro Asp
 85 90 95
 Ser Val Ile Ser Tyr His Gly Gly Phe Leu Gly Leu Phe Pro Asn Ala
 100 105 110
 Asn Thr Leu Asn Asn Ser Ser Thr Ser Glu Asn Gln Thr Thr Thr Lys
 115 120 125
 Ala Ala Ser Ser Asn Val Val Ala Val Glu Phe Asp Thr Tyr Leu Asn
 130 135 140
 Pro Asp Tyr Gly Asp Pro Asn Tyr Ile His Ile Gly Ile Asp Val Asn
 145 150 155 160
 Ser Ile Arg Ser Lys Val Thr Ala Lys Trp Asp Trp Gln Asn Gly Lys
 165 170 175
 Ile Ala Thr Ala His Ile Ser Tyr Asn Ser Val Ser Lys Arg Leu Ser
 180 185 190
 Val Thr Ser Tyr Tyr Ala Gly Ser Lys Pro Ala Thr Leu Ser Tyr Asp
 195 200 205
 Ile Glu Leu His Thr Val Leu Pro Glu Trp Val Arg Val Gly Leu Ser
 210 215 220
 Ala Ser Thr Gly Gln Asp Lys Glu Arg Asn Thr Val His Ser Trp Ser
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<210> 3
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 <212> DNA
 <213> Dolichos lablab

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gtaatgtgcg atgagtcaat aatcacaagt acagtgtagt acttgatatgt tgtttgtgta 960
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 <213> Dolichos lablab

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<210> 5
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 <212> DNA
 <213> Phaseolus vulgaris

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 aaccctgtgg gtgctagtgt ggggaagagtg ttattctctg caccatttca tctttgggaa 180
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 tctattaagt ccaaggaaac tgctaggtgg gagtggcaaa atgggaaaac ggccactgca 540
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 Leu Thr Lys Leu Asp Ser Gly Gly Asn Pro Val Gly Ala Ser Val Gly
 35 40 45
 Arg Val Leu Phe Ser Ala Pro Phe His Leu Trp Glu Asn Ser Met Ala
 50 55 60
 Val Ser Ser Phe Glu Thr Asn Leu Thr Ile Gln Ile Ser Thr Pro His
 65 70 75 80

Pro Tyr Tyr Ala Ala Asp Gly Phe Ala Phe Phe Leu Ala Pro His Asp
 85 90 95
 Thr Val Ile Pro Pro Asn Ser Trp Gly Lys Phe Leu Gly Leu Tyr Ser
 100 105 110
 Asn Val Phe Arg Asn Ser Pro Thr Ser Glu Asn Gln Ser Phe Gly Asp
 115 120 125
 Val Asn Thr Asp Ser Arg Val Val Ala Val Glu Phe Asp Thr Phe Pro
 130 135 140
 Asn Ala Asn Ile Asp Pro Asn Tyr Arg His Ile Gly Ile Asp Val Asn
 145 150 155 160
 Ser Ile Lys Ser Lys Glu Thr Ala Arg Trp Glu Trp Gln Asn Gly Lys
 165 170 175
 Thr Ala Thr Ala Arg Ile Ser Tyr Asn Ser Ala Ser Lys Lys Ser Thr
 180 185 190
 Val Thr Thr Phe Tyr Pro Gly Met Glu Val Val Ala Leu Ser His Asp
 195 200 205
 Val Asp Leu His Ala Glu Leu Pro Glu Trp Val Arg Val Gly Leu Ser
 210 215 220
 Ala Ser Thr Gly Glu Glu Lys Gln Lys Asn Thr Ile Ile Ser Trp Ser
 225 230 235 240
 Phe Thr Ser Ser Leu Lys Asn Asn Glu Val Lys Glu Pro Lys Glu Asp
 245 250 255
 Met Tyr Ile Ala Asn Val Val Arg Ser Tyr Thr Trp Ile Asn Asp Val
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<210> 7

<211> 678

<212> DNA

<213> *Sphenostylis stenocarpa*

<400> 7

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 gagaccactt tcacctttca aatctcaaca ccttacacta gtctctctgg tgatgggctc 240
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 ggactctttc ctaacttaaa tgctttaaga aactccacca ccagtaaaga aaccactatt 360
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 aatattggtg atccaagata caaacacatt ggaatcgatg tcaactctat caggtccaag 480
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<213> *Sphenostylis stenocarpa*

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35 40 45
Arg Val Leu Tyr Ser Ala Pro Leu Arg Leu Trp Glu Ser Ser Thr Val
50 55 60
Val Ser Thr Phe Glu Thr Thr Phe Thr Phe Gln Ile Ser Thr Pro Tyr
65 70 75 80
Thr Ser Pro Pro Gly Asp Gly Leu Ala Phe Phe Leu Ala Pro Tyr Asp
85 90 95
Thr Val Ile Pro Pro Asn Ser Ala Gly Asn Leu Leu Gly Leu Phe Pro
100 105 110
Asn Leu Asn Ala Leu Arg Asn Ser Thr Thr Ser Lys Glu Thr Thr Ile
115 120 125
Asp Val Asn Ala Ala Ser Asn Asn Val Val Ala Val Glu Phe Asp Thr
130 135 140
Tyr Pro Asn Asp Asn Ile Gly Asp Pro Arg Tyr Lys His Ile Gly Ile
145 150 155 160
Asp Val Asn Ser Ile Arg Ser Lys Ala Thr Val Ala Trp Asp Trp Gln
165 170 175
Asn Gly Lys Thr Ala Thr Ala His Ile Ser Tyr Asn Ser Ala Ser Lys
180 185 190
Arg Leu Ser Val Thr Thr Phe Tyr Pro Gly Gly Lys Ala Val Ser Leu
195 200 205
Ser His Asp Val Glu Leu Thr Gln Val Leu Pro Gln Trp Ile Arg Val
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Gly Phe Ser Ala Ser Thr Gly Leu Glu Lys
225 230

<210> 9
<211> 15
<212> PRT
<213> *Sphenostylis stenocarpa*

<400> 9

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<210> 10

<211> 16

<212> PRT

<213> Sphenostylis stenocarpa

<400> 10

Ala Ala Ser Asn Asn Val Val Ala Val Glu Phe Asp Thr Xaa Pro Asn
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